

- 1 -
piece 1, NC_000913, yffL_yffM-, config: linear, direction: -, begin: 2559419, end: 2558901

5' * *2559410 * *2559400 * *2559390 * *2559380 * *2559370 * *2559360 * *2559350 * *2559340
- t g a c g g a c a t t c g t g g c g g a t a a c c a t a c t g c t a a g c c c g t c t t a a g c t g c a a t t g c t c g a a g c c t c g a a g g c c 3'
- fMet - ala - asp - his - ser - trp - arg - ile - thr - ile - thr - ala - lys - pro - val - phe - fMet - leu - glu - ala - phe - arg - arg - pro -
- thr - asp - ile - arg - gly - gly - fMet - ala - asp - his - ser - trp - arg - ile - thr - ile - thr - ala - lys - pro - val - phe - fMet - leu - glu - ala - phe - arg - arg - pro -
- thr - asp - ile - arg - gly - gly - fMet - ala - asp - his - ser - trp - arg - ile - thr - ile - thr - ala - lys - pro - val - phe - fMet - leu - glu - ala - phe - arg - arg - pro -
[NC_000913.yffM]

5' * *2559330 * *2559320 * *2559310 * *2559300 * *2559290 * *2559280 * *2559270 * *2559260
- a c c a a t a a g g a a a t t c a c c t t g a g a t a a c c g c g c t c c c a t g a a c g a a t g c c a t q a t g g t t t g t t c t g t c a a g g 3'
- thr - asn - lys - lys - ser - pro - phe - glu - ile - tyr - arg - ala - pro - his - glu - arg - met - pro - fMet - arg - tyr - thr - ala - leu - pro - met - asn - glu - cys - his - asp - gly - leu - leu - val - cys - cys - ser - gly -
- fMet - arg - tyr - thr - ala - leu - pro - met - asn - glu - cys - his - asp - gly - leu - leu - val - cys - cys - ser - gly -
- fMet - met - val - val - cys - trp - ser - ala - val - gln - val - fMet - met - val - val - cys - trp - ser - ala - val - gln - val -

5' * *2559250 * *2559240 * *2559230 * *2559220 * *2559210 * *2559200 * *2559190 * *2559180
- t t g t g c g t g a g t g a a t t g g g c g t t t c a g c t t g c t g g a a a t g a t t g c g c t a a t c a g c a t g g t t a a t g c t c g c a a c c a g c g a 3'
- fMet - cys - val - ser - glu - trp - ala - phe - pro - ala - cys - trp - lys - fMet - arg - fMet - cys - ala - fMet - asn - gly - arg - phe - gln - leu - ala - gly - asn - asp - cys - ala - asn - gln - his - gly -
- cys - ala - fMet - asn - gly - arg - phe - gln - leu - ala - gly - asn - asp - cys - ala - asn - gln - his - gly - fMet - leu - ala - thr - ser - arg -
- val - arg - glu - fMet - gly - val - ser - ser - leu - leu - glu - met - ile - ala - leu - ile - ser - met - val - asn - ala - arg - asn - gln - pro - thr -

p35 4.3 bits p10 1.6 bits
{ } p35-(23)-p10 2559204 Gap 1.4 bits
{ } p35-p10 2559204 total 4.5 bits

5' * *2559170 * *2559160 * *2559150 * *2559140 * *2559130 * *2559120 * *2559110 * *2559100
- c c t a t c a g g g c g g c g a a a t a a t t c t g t t a a c t c t a g g g c a c t c t c t a t g a c c g a c c g g g g g c t a a a a a a a a c t c c c g t c 3'
- pro - ile - arg - arg - arg - asn - asn - ser - ser - val - fMet - thr - asp - arg - glu - ala - lys - lys - leu - pro - ser -
- tyr - gln - ala - ala - lys - fMet - trp - ala - phe - pro - ala - cys - trp - lys - fMet - arg - fMet - cys - ala - fMet - asn - gly - arg - phe - gln - leu - ala - gly - asn - asp - cys - ala - asn - gln - his - gly -

sd ir yffL_yffM-
{ } sd-(10)-ir 2559127 Gap 2.7 bits
{ } sd-ir 2559127 yffL_yffM_total 5.1 bits
p35 0.0 bits

{ } ... p35-(22)-p10 2559091 Gap 4.3 bits
{ } ... p35-p10 2559091 total 4.3 bits

5' * *2559090 * *2559080 * *2559070 * *2559060 * *2559050 * *2559040 * *2559030 * *2559020 *
- g c c t a g a a t t c t t a a t g a g t a g a a t t c t t a c t c t c g g c a a c t t t t g a c c c a c c t t a a c g g c a a c t t t g a c c c a c t t a a c g g c 3'
- pro - arg - ile - leu - asn - ser - arg - ile - leu - thr - arg - gln - leu - leu - fMet - thr - his - leu - asn - gly - asn - phe - fMet - thr - his - his - fMet - thr - his - his - fMet - glu - leu - arg - gln - arg - lys - gly - asn - ile - ala - fMet - pro -

p10 6.6 bits orf 33 codons

{ } ... p35-(22)-p10 2559091 Gap 2.3 bits
{ } ... p35-p10 2559091 total 4.3 bits

5' *2559010 * *2559000 * *2558990 * *2558980 * *2558970 * *2558960 * *2558950 * *2558940 *
- a a c t t g a c c c a c c a c t a a c g g c a a c t t t t g a c c c a c c t g a a t t a a g g g c a a a g g c g g g a a c a t t g c 3'
- asn - phe - fMet - thr - his - his - fMet - thr - his - leu - asn - ser - trp - asn - fMet - glu - leu - arg - gln - arg - lys - gly - asn - ile - ala - fMet - pro -

p35

{ } ... p35-(23)-p10 2558913 Gap 4.9 bits
{ } ... p35-p10 2558913 total 4.9 bits

5' *2558930 * *2558920 * *2558910 *
- c c g c c t g a t t c c g t t a t t t c a t g t t g t a c g g c t 3'
- arg - leu - ile - pro - leu - phe - his - val - val - arg - fMet - leu - tyr - gly -

... p35 4.6 bits <----- ... NC_000913.yffL

... } p35-(23)-p10 2558913 Gap 1.4 bits
... p35-p10 2558913 total 4.9 bits

... p10 1.7 bits

